

ABSTRACT OF THE DISCLOSURE

A method and apparatus for producing a protective layer to prevent oxidation and/or corrosion for components, in particular for components of a gas turbine, are disclosed. In the method a component having a substrate surface and a substrate composition are provided. Then a coating material is supplied, where the coating material contains at least platinum and aluminum. Then the coating material consisting of at least platinum and aluminum is deposited on the component to be coated in a PVD process (Physical Vapor Deposition Process). Platinum and aluminum are deposited jointly with a single PVD process on the component to be coated.